

20021206.ba v03_n422.bam.20021206

>From ???@??? Fri Dec 6 08:53:37 2002 -0600
Message-Id: <200212061453.gB6ErU7M023197@sco.theporch.com>
Date: Fri, 6 Dec 2002 08:52:57 CST
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 3422

BOATANCHORS Digest 3422

Topics covered in this issue include:

- 1) Re: BOATANCHORS digest 3421
by WA5CAB@cs.com
- 2) Re: Wanted: Early Ratheon Transistors
by "Marty's Refl. Drop" <polepeeg@aa4rm.ba-watch.org>
- 3) Re: BOATANCHORS digest 3420
by David Stinson <arc5@ix.netcom.com>
- 4) FS: Ten Issues 1968 "73 Magazine"
by David Stinson <arc5@ix.netcom.com>
- 5) Re: FS: Ten Issues 1968 "73 Magazine"
by David Stinson <arc5@ix.netcom.com>
- 6) Re: Need Info on Chicago xfmr
by "russ dworakowski" <wb3fau@hotmail.com>
- 7) RE: Connecting to wire/cloth wiring in military HS-33 type Headph
ones
by jay_coward@agilent.com
- 8) Re: Wanted: Early Ratheon Transistors
by "russ dworakowski" <wb3fau@hotmail.com>
- 9) Plate Resistance vs. Plate Load
by David Stinson <arc5@ix.netcom.com>
- 10) Re: BOATANCHORS digest 3420
by Arden Allen <gumbear@pacbell.net>
- 11) Re: Wanted: Early Ratheon Transistors
by "Marty's Refl. Drop" <polepeeg@aa4rm.ba-watch.org>
- 12) Albro Lake Naval Radio Station
by Jerry Proc <jerry7proc@yahoo.com>
- 13) Thanks For Amplifier Loading Information
by Liles and Naomi Garcia <landn@easystreet.com>
- 14) Re: Thanks For Amplifier Loading Information
by "Benjamin Hall" <kd5byb@earthlink.net>
- 15) Radio Books for Sale
by David Stinson <arc5@ix.netcom.com>
- 16) Re: Thanks For Amplifier Loading Information
by Arden Allen <gumbear@pacbell.net>
- 17) Re: Thanks For Amplifier Loading Information
by "Benjamin D. Hall" <kd5byb@earthlink.net>

- 18) NEED HRO 500 parts
by Dan Arney <hankarn@pacbell.net>
- 19) FS: Model 32 Manual Set
by WA5CAB@cs.com
- 20) DX-100 resurrection
by "russ dworakowski" <wb3fau@hotmail.com>

From: WA5CAB@cs.com
Message-ID: <b0.308cee2b.2b1efcbb@cs.com>
Date: Wed, 4 Dec 2002 01:37:47 EST
Subject: Re: BOATANCHORS digest 3421
To: Old Tube Radios <boatanchors@theporch.com>
CC: boatanchors@theporch.com
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="part1_b0.308cee2b.2b1efcbb_boundary"

--part1_b0.308cee2b.2b1efcbb_boundary
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Bill & Bob,

T-177 11 Hy @ 500 MA 90 ohm DC Res. 5000 V Test
T-521 6/26 Hy @ 500/60 MA 70 ohm DC Res. 3000 V Test
F1010 115/230 VAC 50/60 Hz Input 10 VCT/10.0 A Output 2500 V Test.

>
> Does anyone have quick specs for some big old chokes? Specifically,
> Kenyon T-177 and T-521?
>
> Anyone out there know how much current a Chicago F-1010
> 10vct will handle?

73
Robert Downs
Houston
<WA5CAB@cs.com>

--part1_b0.308cee2b.2b1efcbb_boundary
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

* * * * *
* ---REMAINDER OF MESSAGE TRUNCATED--- *

* This post contains a forbidden message format *
* (such as an attached file, a v-card, HTML formatting) *
* Mail Lists at theporch.com only accept PLAIN TEXT *
* If your postings display this message your mail program *
* is not set to send PLAIN TEXT ONLY and needs adjusting *
* * * * *

--part1_b0.308cee2b.2b1efcbb_boundary--

Date: Wed, 4 Dec 2002 09:52:17 -0500 (EST)
From: "Marty's Refl. Drop" <polepeeg@aa4rm.ba-watch.org>
Message-Id: <200212041452.JAA04605@aa4rm.ba-watch.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Wanted: Early Ratheon Transistors

Ok, this is real personal-like since it went to the MRM.

I went to the '79 Slyvania ECG transistor xref for

T51255
T51608
T59078

Too easy!

But uh-uh, & the xref was bare

But there trnsistors in that label-family all around it. And they were
pioneer Ge pnp ECG-100, 102, etc. things.

Now a hybrid, eh? I have a Emmo 843 that uses 2 xistors as output & 1
as a driver. I wonder if that's the same set?

The Emmo's a runner & my xistors are just FB-OM. Maybe his are too!

So is this worth the bandwidth?? NAAAAH, here's the kicker.

=====
It's Tek 575 scopes, the odd-bird xistor curve-tracer so often seen
at electronic petting zoos.
=====

Brought this up to a "Tek pal" last night & he GUESSES there were once
armies of these 575s at pioneer makers like Ratheon, Shockley, Fairchild,
TI, Raytheon, G.E. etc. This because batch consistancies were all over
the map & all that was made in the early years were -transistors.
Final test on a 575 revealed classification.

Was any reader "there at the time" who might venture forth?

I have a ratso, mostly complete 575 w/o accy.s that I'd considered as a prize. But not quite. Several of command-set dynos or a complete DM-21 set from a BC-312/14 would swap. It has a trace, it's missing one "cabinet clam shell."

Interesting unit as it used the best principals of a vanishing circuit element to measure properties of devices making them extinct!

Back to reality. Jump back at a crate/frate bill fm 30324!

Marty

spelling item: there never was a Ratheon transistor.

Message-ID: <3DEE26B8.C0FC4A62@ix.netcom.com>
Date: Wed, 04 Dec 2002 10:00:57 -0600
From: David Stinson <arc5@ix.netcom.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: BOATANCHORS digest 3420
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Scott Robinson <spr@earthlink.net>:
> About correctly loading tube audio amplifiers: the issue is not the
> tubes but how to avoid trashign the output transformer....

You could install a load resistor across the secondary to take the edge off and protect the transformer. I haven't done the calculations nor looked on a scope, but I'd bet you could tack in a resistor of about four times the rated output Z. Should provide enough load to protect the tranny without sacrificing much of the output.
What do you think?
Dave S.

Message-ID: <3DEE2D1B.CD2C21AB@ix.netcom.com>
Date: Wed, 04 Dec 2002 10:28:11 -0600
From: David Stinson <arc5@ix.netcom.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: FS: Ten Issues 1968 "73 Magazine"
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

All the issues of 73 from 1968, less Jan. and Oct.
\$10 plus \$3 media mail postage.
Good, clean condition.

Message-ID: <3DEE4715.631943E4@ix.netcom.com>
Date: Wed, 04 Dec 2002 12:19:01 -0600
From: David Stinson <arc5@ix.netcom.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: FS: Ten Issues 1968 "73 Magazine"
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Sorry- I mean ten issues only, all from 1968.

David Stinson wrote:

>
> All the issues of 73 from 1968, less Jan. and Oct.
> \$10 plus \$3 media mail postage.
> Good, clean condition.

From: "russ dworakowski" <wb3fau@hotmail.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Need Info on Chicago xfmr
Date: Wed, 04 Dec 2002 13:23:53 -0500
Mime-Version: 1.0
Content-Type: text/plain; format=flowed
Message-ID: <F118vT4znETrQHm6wXo0001c16c@hotmail.com>

Suggestion Bob- how much do you need? How big are the connecting leads? Try it out and see how warm the transformer gets. Old ones are quite underrated. Russ.

>From: Bob Login <jlogin@mindspring.com>
>Reply-To: jlogin@mindspring.com
>To: Old Tube Radios <boatanchors@theporch.com>
>Subject: Need Info on Chicago xfmr
>Date: Tue, 03 Dec 2002 23:06:14 -0500
>

>Hi,
>Anyone out there know how much current a Chicago F-1010
>10vct will handle?
>Thanks...Bob, AA8A

Protect your PC - get McAfee.com VirusScan Online
<http://clinic.mcafee.com/clinic/ibuy/campaign.asp?cid=3963>

Message-ID: <01A7DAF31F93D511AEE300D0B706ED9205DD6680@axcs13.cos.agilent.com>
From: jay_coward@agilent.com
To: Old Tube Radios <boatanchors@theporch.com>
Cc: boatanchors@theporch.com
Subject: RE: Connecting to wire/cloth wiring in military HS-33 type Headph
ones
Date: Wed, 4 Dec 2002 10:02:32 -0700
MIME-Version: 1.0
Content-Type: text/plain;
charset="ISO-8859-1"

-----Original Message-----
From: Al Klase [mailto:skywaves@bw.webex.net]
Sent: Sunday, December 01, 2002 6:42 PM
To: Old Tube Radios
Cc: Old Tube Radios
Subject: Re: Connecting to wire/cloth wiring in military HS-33 type
Headphones

Al wrote:

Now you can form a loop
and and connect to the little screws in the PL-55. (Does
anyone have one of those screwdrivers with the locating pin
that goes into the hole in the screw that they would part
with?)

Al and Group,
I use a very fine pointed tweezers to start those little screws. Stick the tweezers
into the hole and the spring action will hold the screw pretty well to get the
first turns in.

Jay

From: "russ dworakowski" <wb3fau@hotmail.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Wanted: Early Ratheon Transistors
Date: Wed, 04 Dec 2002 13:28:43 -0500
Mime-Version: 1.0
Content-Type: text/plain; format=flowed
Message-ID: <F10290gP8yJrNKBqujs0001bf1f@hotmail.com>

Whats an electronic petting zoo?

>From: "Marty's Refl. Drop" <polepeeg@aa4rm.ba-watch.org>
>Reply-To: polepeeg@aa4rm.ba-watch.org
>To: Old Tube Radios <boatanchors@theporch.com>
>Subject: Re: Wanted: Early Ratheon Transistors
>Date: Wed, 4 Dec 2002 09:52:17 -0500 (EST)
>
>Ok, this is real personal-like since it went to the MRM.
>
>I went to the '79 Slyvania ECG transistor xref for
>
>T51255
>T51608
>T59078
>
>Too easy!
>
>But uh-uh, & the xref was bare
>
>But there trnsistors in that label-family all around it. And they were
>pioneer Ge pnp ECG-100, 102, etc. things.
>
>Now a hybrid, eh? I have a Emmo 843 that uses 2 xistors as output & 1
>as a driver. I wonder if that's the same set?
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>The Emmo's a runner & my xistors are just FB-OM. Maybe his are too!
>
>So is this worth the bandwidth?? NAAAAH, here's the kicker.
>
>=====

>It's Tek 575 scopes, the odd-bird xistor curve-tracer so often seen
>at electronic petting zoos.

>=====

>

>Brought this up to a "Tek pal" last night & he GUESSES there were once
>armies of these 575s at pioneer makers like Ratheon, Shockley, Fairchild,
>TI, Raytheon, G.E. etc. This because batch consistencies were all over
>the map & all that was made in the early years were -transistors.
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>Was any reader "there at the time" who might venture forth?
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>a prize. But not quite. Several of command-set dynos or a complete DM-21
>set from a BC-312/14 would swap. It has a trace, it's missing one "cabinet
>clam shell."
>
>Interesting unit as it used the best principals of a vanishing circuit
>element to measure properties of devices making them extinct!
>
>Back to reality. Jump back at a crate/frate bill fm 30324!
>
>
> Marty
>
>spelling item: there never was a Ratheon transistor.

MSN 8 with e-mail virus protection service: 2 months FREE*
<http://join.msn.com/?page=features/virus>

Message-ID: <3DEE4B08.8FD252E1@ix.netcom.com>
Date: Wed, 04 Dec 2002 12:35:52 -0600
From: David Stinson <arc5@ix.netcom.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Plate Resistance vs. Plate Load
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

In most tubes I've investigated, the recommended plate load is usually around 10-15% of the plate resistance. Is this common enough to take it as a rule of thumb when designing with a tube that's recommended plate load is not documented?
73 Dave S.

Date: Wed, 04 Dec 2002 09:46:57 -0800
From: Arden Allen <gumbear@pacbell.net>
Subject: Re: BOATANCHORS digest 3420

To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <000601c29bc7\$46f60280\$ebe57443@KB6NAX>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7bit

> You could install a load resistor across the secondary to take the
> edge off and protect the transformer. I haven't done the calculations
> nor looked on a scope, but I'd bet you could tack in a resistor of
> about four times the rated output Z. Should provide enough load
> to protect the tranny without sacrificing much of the output.
> What do you think?
> Dave S.

You could even go up to 10 times the load resistance with your safety load.
That's plenty enough load to quash a damaging high voltage transient.

Arden Allen
KB6NAX
Vallejo, CA
gumbear@pacbell.net

Date: Wed, 4 Dec 2002 14:29:42 -0500 (EST)
From: "Marty's Refl. Drop" <polepeeg@aa4rm.ba-watch.org>
Message-Id: <200212041929.0AA04888@aa4rm.ba-watch.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Wanted: Early Ratheon Transistors

> Whats an electronic petting zoo?

Russ it's a hamfest tailgate area.

In fact I put out a TV sweep generator @ last one. It had a sign

"Knob therapy box - open invitation to twist these indefinitely"

Message-ID: <20021205021130.92449.qmail@web21507.mail.yahoo.com>
Date: Wed, 4 Dec 2002 18:11:30 -0800 (PST)
From: Jerry Proc <jerry7proc@yahoo.com>
Subject: Albro Lake Naval Radio Station
To: Old Tube Radios <boatanchors@theporch.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hello Everyone,

Information is hard to locate, but I managed to acquire a sufficient amount to start a web document on Albrow Lake Naval Radio station, N.S. 1942-1967. To see the results so far:

http://webhome.idirect.com/~jproc/rrp/albro_lake.html

Hopefully the document's presence on the web will attract submissions over time.

=====

--

Regards,
Jerry Proc
E-mail: jerry7proc@yahoo.com

Do you Yahoo!?
Yahoo! Mail Plus - Powerful. Affordable. Sign up now.
<http://mailplus.yahoo.com>

Message-ID: <3DEEEB06.DD685764@easystreet.com>
Date: Wed, 04 Dec 2002 21:58:31 -0800
From: Liles and Naomi Garcia <landn@easystreet.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Thanks For Amplifier Loading Information
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Good evening Everybody,

I would like to thank all of the group that answered my questions about the proper and safe loading of the output amplifiers in our boatanchors. I learned something from your responses.

I did not know that Hammarlund SP-600's lost that many output transformers. Even though I was not using a 600 Ohm resistor load when I was listening to my SP-600 with headphones, I always made sure that my headphones were plugged in when I powered up the receiver. I never

plugged in the headphones while the receiver was powered up and the output unloaded. This probably saved me from damage from transients.

The Hammarlund HQ-129-X and HQ-140-X have a 27 Ohm, 1 watt resistor loading the output transformer. When you connect a 4 Ohm speaker, the actual load impedance is 3.5 Ohms. Then, when you connect some 2 KOhm headphones, the actual load impedance is 27 Ohms which is probably fine with the 6V6 output tube and output transformer. The always-connected load resistor would certainly help to protect the output transformer from transient damage. Hammarlund receivers do have good designs.

Again, many thanks for everybody's information.

Regards from Aloha, Oregon,
Liles Garcia
landn@easystreet.com

Date: Thu, 05 Dec 2002 06:30:35 -0800
From: "Benjamin Hall" <kd5byb@earthlink.net>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Thanks For Amplifier Loading Information
Message-ID: <Springmail.0994.1039098635.0.09298000@webmail.pas.earthlink.net>

Good morning ladies and gentlemen...

I'm putting two subjects into this post - output transformer stuff and 10 MHz frequency standard stuff.

I regret that my comments/questions come late in this thread, but I guess better late than never?

At any rate, I've been following this thread with interest, as my foremost consideration when working with boatanchors is making sure that I do the little things that help ensure they'll be around longer than I will be. Of course, I do everything in a reversible manner. I add fuses, inrush limiters, Hank van Cleef's meter-diode protection circuits, replace capacitors, etc... Especially on things like meters and transformers that are getting progressively more difficult to replace.

I agree that the resistor is the best solution, and is period-accurate.

However, I got to thinking about some of the newer-technology transient suppressors. And then, perhaps a pair of zener diodes in series with a resistor so that when the voltage exceeds the breakdown point of the diode, the resistor conducts? Looking at a 10 watt output, assuming that the speaker

impedance is an even 4 ohms (which it isn't as it is frequency dependant), 10 watts into 4 ohms is 1.58 amps which is 6.3 volts. So, how about a pair of 10 volt zeners in series with a 4 ohm resistor?

Would this work? I'm really proposing this more as a learning type of question than something I'm going to actually do. Like I said earlier, a resistor is certainly cheaper! ;)

Folks here were talking about 10 MhZ GPS based frequency standards about a month ago. I decided I couldn't live without one. You can see my receiver's plots at:

<http://home.earthlink.net/~kd5byb/gpsstat.htm>

Living in an apartment has hampered my antenna placement so I don't get the signal strengths and numbers of satellites others do. It is working rather well however...

thanks and 73,
ben

On Wed, 04 Dec 2002 21:58:31 -0800 Liles and Naomi Garcia
<landn@easystreet.com> wrote:

> Good evening Everybody,
>
> I would like to thank all of the group that
> answered my questions about
> the proper and safe loading of the output
> amplifiers in our
> boatanchors. I learned something from your
> responses.

>From the computer of Benjamin Hall.
kd5byb@earthlink.net

Message-ID: <3DEF7C25.A8F654D3@ix.netcom.com>
Date: Thu, 05 Dec 2002 10:17:41 -0600
From: David Stinson <arc5@ix.netcom.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Radio Books for Sale
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Radio books for sale.

Single books \$2 media mail or actual costs shipping in the U.S.

Multiple books at cost.

All books good, clean condition unless otherwise noted.

Heathkit Manuals

Original Heathkit HW-16 Specifications handout from 1968,
the fold-out single page the sales folks sent you.

One faint coffee ring. \$5

HP-13 Transistorized DC Power Supply. \$5

SG-8 Signal Generator. Spine worn, bench worn. \$9

HW-16 Transceiver. Complete but bench worn. \$10

HD-20 Crystal Calibrator. Fine condition. \$4

HA-201 2 Meter Amplifier. \$5

HG-10B Amateur VFO. \$9

Military Books

Handbook of Maintenance Instructions.

Radio Receiver R-64/ARW-17 March 1945, \$5

WWII Bendix TA-12 Aircraft Transmitter manual.

Good quality bond photocopy. \$10

TM 11-630 SCR-506A. Original. Some wrinkling on the last quarter
of the pages from moisture. Some rough pages. \$9

TM 11-5820 Radio Sets VRC-53, -64, GRC-125, GRC-160.

Missing cover, otherwise good shape. \$5

Surplus Radio Conversion Manual Volume #1, 1948.

Dog-eared corner on the cover. Professional rebind. \$9

Surplus Radio Conversion Manual Volume #2, 1948.

Good condition. \$9

TM 11-487A Directory of Signal Corps Equipments,

Radio Communication Equipment, Aug. 1950.
Fair photocopy, well bound. 255 pages. \$8

NAVSHIPS 900,707 RAX-1 Receiver manual.
Big, good photocopy. Bound, but they didn't bind
the foldouts correctly, so you might want to redo it. \$10.

Tube, Transistor and Picture Tube Books.

CBS "Technician's Handbook," 1st edition, 1st printing, 1957,
characteristics of vacuum tubes,
semiconductors and Picture Tubes, pages not counted but about
an inch thick. Lots of very neat information. Ring bound. \$10

General Electric "Essential Characteristics" 1969 edition, 370 pages,
containing essential data on tubes, picture tubes, semiconductors
and photocells. \$10.

RCA Technical Manual PT-60, "Phototubes and Photocells," 1963,
192 pages. \$5

General Electric "Transistor Manual," First Edition, undated but
believed to be around 1958, 61 pages. \$9

General Electric "Transistor Manual," Second Edition, undated but
believe to be around 1960, 112 pages, \$9

"Transistor Specifications and Substitution Handbook," TechPress 1964,
96 pages. \$4

Test Equipment and Misc.

Sams Photofact Publication
"Radio and TV Alignment Handbook," 1st Edition, 1961, 158 pages,
excellent reference for the antique TV collector. \$5

RCA type WA-44C Signal Generator manual \$4

Gernsback Library #49, "Radio and TV Test Instruments,"
1953, 128 pages, Good condition \$5

Date: Thu, 05 Dec 2002 09:42:09 -0800
From: Arden Allen <gumbear@pacbell.net>
Subject: Re: Thanks For Amplifier Loading Information
To: Old Tube Radios <boatanchors@theporch.com>

Cc: Old Tube Radios <boatanchors@theporch.com>
Message-id: <001501c29c85\$a6651120\$35e57443@KB6NAX>
MIME-version: 1.0
Content-type: text/plain; charset=Windows-1252
Content-transfer-encoding: 7bit

Re: zener diode voltage clamp.

> Would this work? I'm really proposing this more as a learning type of
> question than something I'm going to actually do. Like I said earlier, a
> resistor is certainly cheaper!

It certainly wouldn't hurt but it violates the KISS rule (keep it simple, stupid).

Arden Allen
KB6NAX
Vallejo, CA
gumbear@pacbell.net

Message-Id: <5.1.0.14.0.20021205175807.00b8adf0@mail.earthlink.net>
Date: Thu, 05 Dec 2002 17:58:29 -0600
To: Old Tube Radios <boatanchors@theporch.com>
From: "Benjamin D. Hall" <kd5byb@earthlink.net>
Subject: Re: Thanks For Amplifier Loading Information
Cc: Old Tube Radios <boatanchors@theporch.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Very true - I was just wondering if it would work...

later,
ben

At 09:42 AM 12/5/2002 -0800, Arden Allen wrote:

>Re: zener diode voltage clamp.
>
> > Would this work? I'm really proposing this more as a learning type of
> > question than something I'm going to actually do. Like I said earlier, a
> > resistor is certainly cheaper!

>
>It certainly wouldn't hurt but it violates the KISS rule (keep it simple,
>stupid).

From the computer of Benjamin D. Hall, kd5byb@earthlink.net.
Northern Alabama, USA.

Date: Thu, 05 Dec 2002 21:02:14 -0800
From: Dan Arney <hankarn@pacbell.net>
Subject: NEED HRO 500 parts
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <3DF02F56.3040809@pacbell.net>
MIME-version: 1.0
Content-type: text/plain; format=flowed; charset=us-ascii
Content-transfer-encoding: 7bit

I am in need of a HRO-500 parts unit or at least IF XFMR L-310 to get a 500 out of the sand sick hospital. It may not be a BA but when was the last time you picked one? not light.

Thanks,

Hank

KN6DI

From: WA5CAB@cs.com
Message-ID: <119.1bbf0b7c.2b22106b@cs.com>
Date: Fri, 6 Dec 2002 09:38:35 EST
Subject: FS: Model 32 Manual Set
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="part1_119.1bbf0b7c.2b22106b_boundary"

--part1_119.1bbf0b7c.2b22106b_boundary
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Group,

For sale, three volume set of original manuals on the Teletype Model 32 R0, KSR and ASR. Bulletin 309B Vol1 and Vol2 (Description, Installation, Dissassembly/Assembly, Lubrication, Adjustments, etc.), Issue 2, June 1972 and Bulletin 1210B (Parts), Issue 4, October 1972. All in original binders. \$33.00 shipped US.

73

Robert Downs

Houston

<WA5CAB@cs.com>

--part1_119.1bbf0b7c.2b22106b_boundary
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

```
* * * * *
*      ---REMAINDER OF MESSAGE TRUNCATED---      *
*      This post contains a forbidden message format      *
*      (such as an attached file, a v-card, HTML formatting) *
*      Mail Lists at theporch.com only accept PLAIN TEXT      *
*      If your postings display this message your mail program *
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From: "russ dworakowski" <wb3fau@hotmail.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: DX-100 resurrection
Date: Fri, 06 Dec 2002 09:52:45 -0500
Mime-Version: 1.0
Content-Type: text/plain; format=flowed
Message-ID: <F78j16tFKHZgdOW7mNE0000324f@hotmail.com>

Fellow BA folks-

I am in the middle of a DX-100 restoration project. This one was about 2 steps away from the scrap heap. I was able to get a lot of spare parts from Ken, a fellow Amer in NE OH. Its well on the way to coming together. Almost all missing parts are installed, and I have begun rewiring. Ther was no

VFO, LV transformer was changed to different type, no high level modulator components, in addition to bias and other mods.

So I got the power supplies rewired and working first. Then I wired in the VFO and keying circuit. These are working, so its going slow, but it is going good. I need a few parts yet- A driver transformer for the speech amp, A cabinet, correct knobs.

If anyone has this stuff and would care to sell, trade, or whatever, please contact me. I am running a recently restored DX-100 right now from this QTH {Erie} and I am getting good reports. Russ.

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